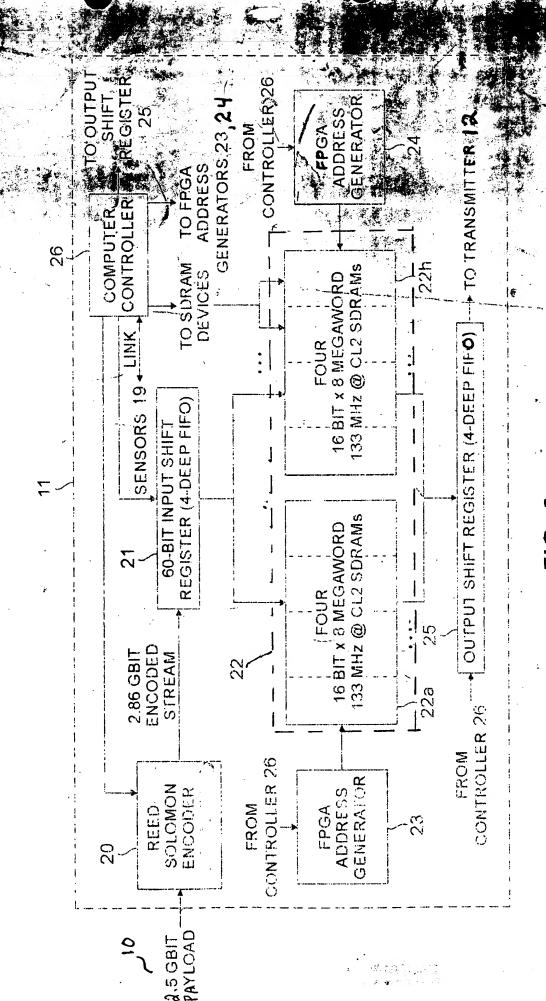
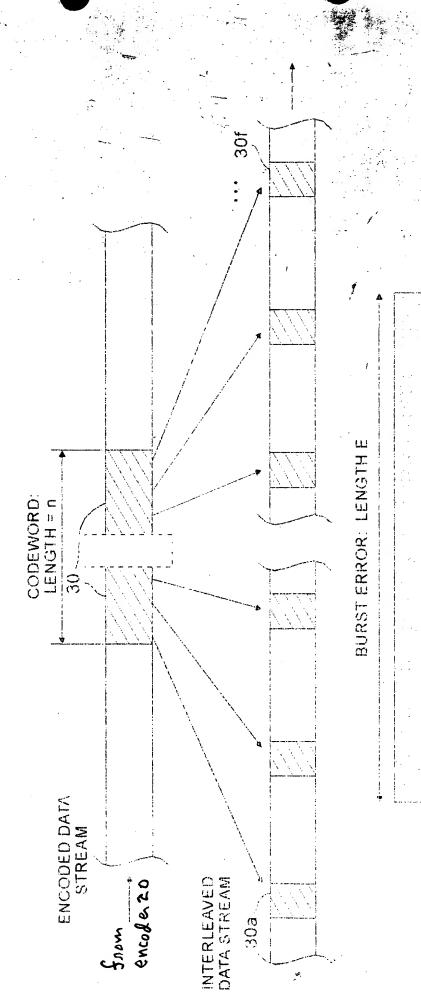


2



7.5



INTERLEAVING THE ENCODED PAYLOAD

() U

FROM REED-SOLOMON ENCODER 20

DENOTE THE 60 BIT SEGMENTS OF THE CODEWORDS BY A 2-TUPLE:

(n, m): n = CODEWORD NUMBER; m = 60-BIT SEGMENT WITHIN THE CODEWORD INDICATED

n = 1, 2, 156250

m = 1, 2, ... 34 FOR 2040 CODEWORD LENGTH

INTERLEAVE THE FIRST BLOCK OF 156,250 CODEWORDS

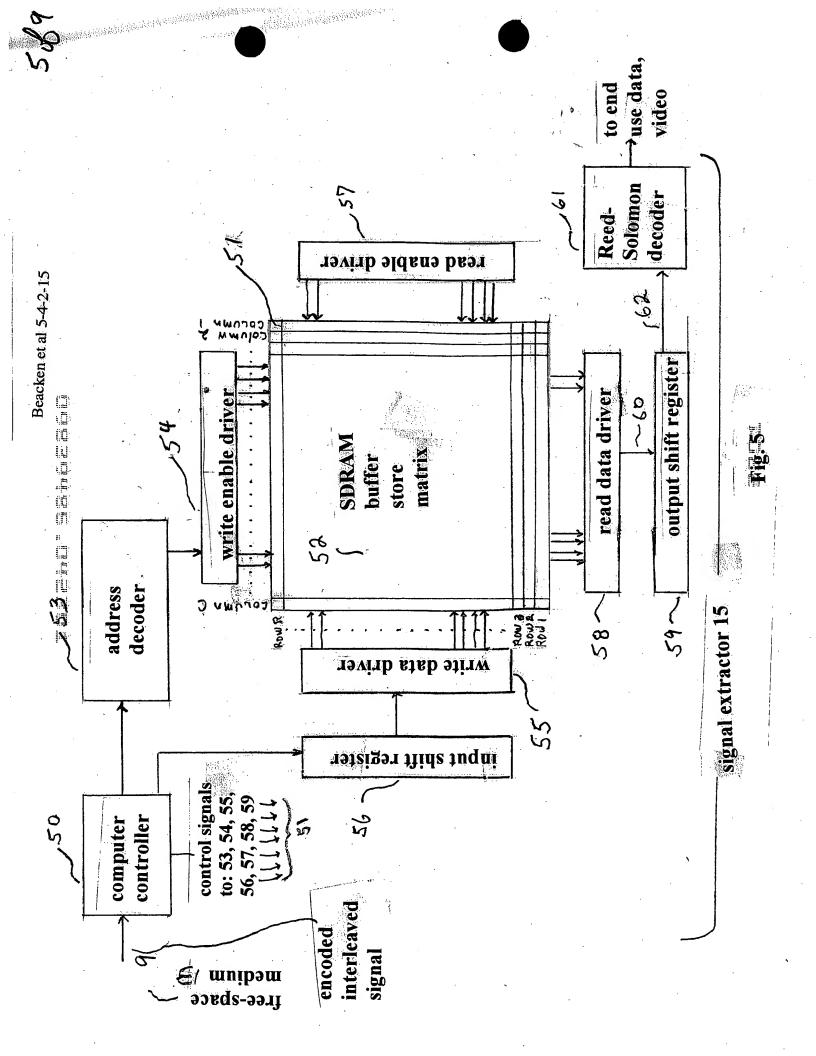
THEN AFTER INTERLEAVING THE FIRST BLOCK OF 156,250 CODEWORDS THE SEQUENCE IS:

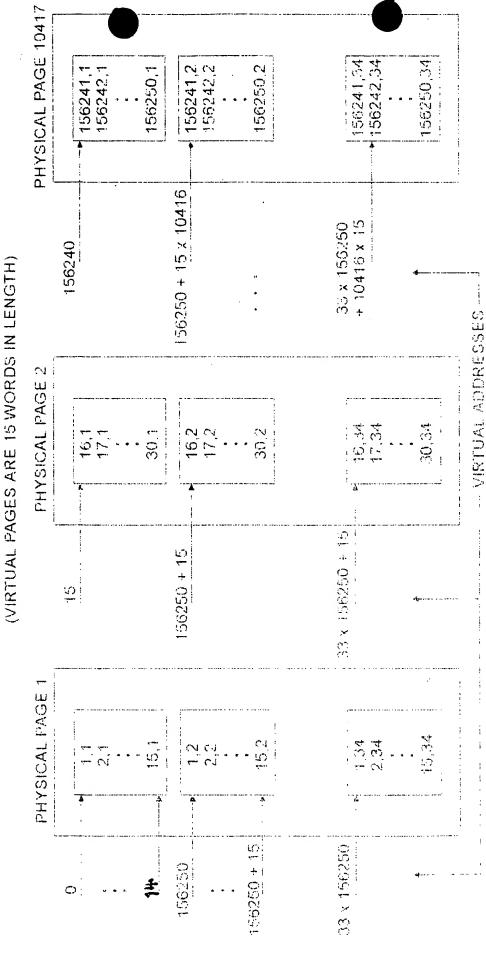
, [1.1 2,1 3.1 156250,1] [1,2 2,2 156250.2] [1,34 2.34 ... 156250.34]

INTERLEAVE THE SECOND BLOCK OF 156,250 CODEWORDS

COMPLETE INTERLEAVING

FIG. 4





REMAPPING ADDRESSES TO BALANCE "READ" VS "WRITE" OVERHEAD IN TERMS OF SURAM PAGE CHANGES

FIG. 6A

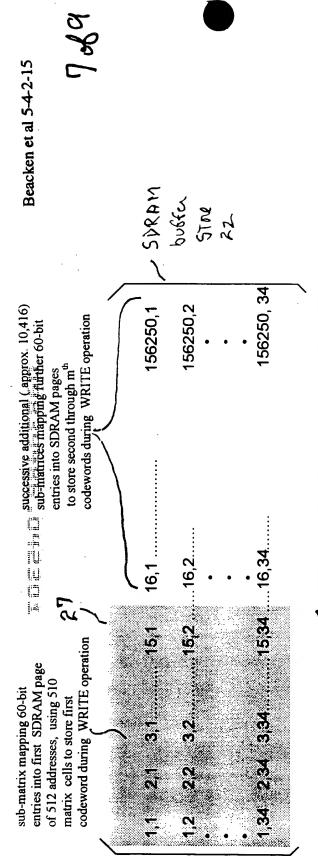


Fig. 6B:Codeword Segments Expressed as a Matrix

If received entries were stored sequentially at the receiver	a physical page change would required every memory	reference to complete the de-interleaving.	~ SORAM	buffer <
, 156250,1	156250,2	156250, 34		
513,1	512,2 513,2	512.34 513.34		M Paviace of Bacines &
2,1 3,1 612,1	1,2 2,2 3,2512,2.	1,34 2,34 3,34512,34		Fig. 6 C : Shaded submatrix indicates segment of Received Matrix that
\ F	1,2	t		Fig. 6 C : S

SION DA Would be Held on One 512 Address page if Receiver Stored Entries Sequentially latrix indicates segment of Received Matrix that

Fig. 7A FLOW CHART OF PROCESS AT TRANSMITTER END

